PENDING CLAIMS AS AMENDED

This listing of claims will replace all prior versions, and listings, of claims in the application. Please amend the claims as follows:

Listing of Claims:

1-22 (Cancelled)

23. (Currently Amended) ~~A computer-readable medium having computer-executable instructions stored thereon~~ An apparatus for capturing an image of an eye having an iris comprising a computer-readable medium having computer executable instructions stored thereon, the computer-executable instructions, when executed by a computer, causes the computer to perform a method comprising the steps of:

determining a plurality of measurement origins in the image;

detecting an edge of the iris;

determining a distance from each measurement origin to the edge of the iris; and,

outputting a final image when each of the determined distances is equal to respective one of a plurality of predetermined lengths.

24. (Currently Amended) The ~~computer-readable medium~~ apparatus of claim 23, wherein the plurality of measurement origins comprises a corner of the image.

25. (Currently Amended) The ~~computer-readable medium~~ apparatus of claim 23, wherein the plurality of measurement origins comprises an edge of the image.

26. (Currently Amended) The ~~computer-readable medium~~ apparatus of claim 23, wherein the step of outputting a final image comprises outputting the captured image.

27. (Currently Amended) The ~~computer-readable medium~~ apparatus of claim 23, wherein the step of outputting a final image occurs when each one of the plurality of predetermined lengths are equal to each other.

28. (Currently Amended) The ~~computer-readable medium~~ apparatus of claim 23, wherein the method further comprising the step of capturing a second final image.

29. (Currently Amended) The ~~computer-readable medium~~ apparatus of claim 28, wherein the final image and the second final image are captured with different parameters.

30. (Currently Amended) The ~~computer-readable medium~~ apparatus of claim 29, wherein the parameter is a resolution.

31. (Currently Amended) The ~~computer-readable medium~~ apparatus of claim 29, wherein the parameter is a size.

32. (Currently Amended) The ~~computer-readable medium~~ apparatus of claim 29, wherein the parameter is a wavelength.

33. (Currently Amended) The ~~computer-readable medium~~ apparatus of claim 23, wherein the method further comprising the step of overlaying an eye feature position marker on a displayed version of the captured image.

34. (Currently Amended) ~~A computer-readable medium having computer-executable instructions stored thereon~~ An apparatus for capturing an image of an eye, the eye having an iris and a pupil, comprising a computer readable medium having computer-executable instructions stored thereon, the computer-executable instructions, when executed by a computer, causes the computer to perform a method comprising the steps of:

determining a size and location of one of the iris and the pupil;

comparing the determined size and location to a predetermined size and position; and,

outputting a final image if the size and location matches the predetermined size and position, respectively.

35. (Currently Amended) The ~~computer-readable medium~~ apparatus of claim 34, wherein the method further comprises the step of capturing the final image.

36. (Currently Amended) The ~~computer-readable medium~~ apparatus of claim 34, wherein the

image comprises a plurality of pixels, and the step of determining a size and location of one of the iris and the pupil comprises the step of determining whether each of the plurality of pixels represents one of an iris pixel and a pupil pixel.

37. (Currently Amended) ~~A computer-readable medium having computer-executable instructions stored thereon~~ An apparatus for capturing an image of an eye, the eye including a pupil with a size, comprising a computer readable medium having computer-executable instructions stored thereon, the computer-executable instructions, when executed by a computer, causes the computer to perform a method comprising the steps of:

manipulating the size of the pupil by exposing the pupil to a light starting at a first intensity level and ending at a second intensity level;

determine the size of the pupil;

comparing the determined size to a predetermined size; and

outputting a final image when the size of the pupil matches ~~a~~ the predetermined size.

38. (Currently Amended) The ~~computer-readable medium~~ apparatus of claim 37, wherein the first intensity level is greater than the second intensity.

39. (Currently Amended) The ~~computer-readable medium~~ apparatus of claim 37, wherein the second intensity level is zero.

40. (Currently Amended) ~~A computer-readable medium having computer-executable instructions stored thereon~~ An apparatus for auto-positioning and auto-triggering of a capture of an eye image, comprising a computer readable medium having computer-executable instructions stored thereon, the computer-executable instructions, when executed by a computer, causes the computer to perform a method comprising the steps of:

capturing a first image of an eye having a pupil, the first image having four corners;

detecting an edge of the pupil; and,

determining a distance from each corner of the image to the edge of the pupil along two diagonal paths, each diagonal path defined by two diagonally opposing corners of the first image.

41. (Currently Amended) The ~~computer-readable medium~~ apparatus of claim 40, wherein the

method further comprises the step of outputting a final image when the distance from each corner of the image to the edge of the pupil is equal to each other.

42. (Currently Amended) The ~~computer readable medium~~ apparatus of claim 40, wherein the method further comprises the step of adjusting a size of the pupil by varying the intensity of a visible light source.

43. (Currently Amended) The ~~computer readable medium~~ apparatus of claim 40, wherein the method further comprises the step of determining the size of the pupil by calculating an average darkness level in the pupil and using this average as a defining threshold for determining the area of the pupil.

44-54 (Cancelled)